

APOLLO/SOYUZ TEST PROJECT (ASTP) DIRECTIVE NO. 4

TO: DISTRIBUTION

FROM: Charles M. Lee  
ASTP PROGRAM DIRECTOR

OFFICE OF PRIME RESPONSIBILITY: ASTP PROGRAM OFFICE

SUBJECT: ASTP TELEVISION

I. PURPOSE

The purpose of this Directive is to provide policy guidance and assign responsibility for planning and implementation of television programming and hardware for the ASTP mission.

II. SCOPE

This Directive is applicable to the Apollo spacecraft-on-board TV system and any TV planned to be relayed between the U.S. Mission Control Center and the Soviet Control Center.

III. GOALS AND OBJECTIVES

The goals and objectives of TV on the ASTP mission, in order of priority, are:

- A. To ensure a highly visible demonstration of international cooperation in space by providing maximum real time video coverage of this unique international event for release to television networks.
- B. To obtain real-time information for evaluation and analysis purposes to assist in resolution of anomalies arising during the conduct of the mission.
- C. To record events for historical purposes.

IV. PRIORITY

Television requirements have high priority in the ASTP mission. Maximum effort will be made to adjust mission timeline events, for which TV coverage is desired, to occur where ground station or ATS-F coverage is available.

V. RESPONSIBILITYA. Office of Manned Space Flight

As a part of normal program office responsibility for directing and approving all hardware planning, the ASTP Program Director is responsible for assuring the provision of specific hardware, communications, flight planning and crew training to support the planned PAO TV programming for the ASTP Mission. In this capacity he is responsible for:

- a) Establishing overall policy and priorities for use of TV during the mission.
- b) Receiving, reviewing and responding to programming requirements from the PAO for feasibility and cost.
- c) Levying approved TV programming requirements on the Apollo Spacecraft Program Office at JSC for incorporation into the mission timeline.
- d) Establishing schedule milestones for television hardware and programming plans and implementation and approving any proposed changes.
- e) Levying requirements and negotiating support from NASA and other U.S. organizations outside the Office of Manned Space Flight.

B. Office of Public Affairs

The Assistant Administrator for Public Affairs is responsible for the quality and content of all TV programming planned for the ASTP Mission. In this capacity he is responsible for:

- a) Levying programming requirements for mission TV on the Program Director, ASTP.
- b) Participating in training and simulations for the purpose of assisting in development of detailed plans and procedural sequences.
- c) Reviewing and concurring in mission TV plans, and TV hardware implementation.
- d) Participating in negotiation of TV plans with the Soviets within the framework of the appropriate U.S./U.S.S.R. working group.

C. Johnson Space Flight Center

As a part of normal Center program office responsibility for design, development, fabrication, qualification, acceptance and installation and operation of all spacecraft hardware including television, the Apollo Spacecraft Program Manager at JSC is responsible for:

- a) Preparing detailed plans for television programming in response to requirements levied by the Director, ASTP Program.
- b) Assuring mission planning in a manner to optimize desired TV coverage.
- c) Assuring conduct of appropriate simulation and training to optimize competent TV programming during the mission.
- d) Negotiating with U.S.S.R. counterparts on TV hardware and communications interface and TV plans within the framework of appropriate U.S./U.S.S.R. working group(s) and documentation.

VI. ACTION

All NASA Headquarters TV requirements will be levied on JSC by the Director, ASTP Program. To facilitate implementation of these requirements, and to assure that ASTP television will be of the best possible quality, the Apollo Spacecraft Program Manager at JSC will establish a TV Planning Team. The chairman of the planning team will be responsible for assuring that all elements involved in the ASTP television effort are operating under the same guidelines and to a common end, that in each functional area an adequate testing plan is documented and carried out, that operating procedures are documented and exercised, that an overall system diagram and schematics are documented, that necessary technical studies are initiated, that appropriate programming plans are prepared and that adequate simulation and training is conducted. The chairman's authority extends to coordinating and suggesting complementary efforts by engineers at GSFC and KSC with regard to the parts of the ASTP television system managed by those Centers.

Team membership shall include but not necessarily be limited to a representative from each of the following areas:

- . JSC ASTP Program Management - Chairman
- . NASA Headquarters ASTP Program Office
- . NASA Headquarters PAO Office

- . Design, fabrication, test and functioning of the S/C TV camera, supporting hardware and S/C cabling
- . S/C r-f system and interface through ATS-F to the ground station
- . End-to-end system testing and operation of TV communications from the remote ground station to the mission control center with distribution to the media and communication between U.S. and U.S.S.R. control centers
- . Flight Control Planning, simulation, training and operations
- . Flight Crew Planning, simulation, training and operations
- . KSC test and checkout
- . GSFC ground network
- . ATS-F communications satellite support

Enclosure (1) is a schedule milestone chart. Any anticipated deviations from the schedule shown will require approval of the Director, ASTP Program.

Enclosure (2) is a list of individuals designated as single points of contact for their organizations with respect to ASTP planning for television programming.

ENCLOSURE 1

TV SCHEDULED MILESTONES

TBD

ENCLOSURE 2

Single Points of Contact for ASTP plans for television programming

NASA Headquarters

ASTP Program Office

Mr. J. T. McClanahan, Code MAO, Phone No. 202-755-8562

Public Affairs Office

Mr. R. J. Shafer, Deputy Asst. Admin. for TV, Code FD-1  
Phone No. 202-755-8445

Johnson Space Flight Center

Apollo Spacecraft Program Office

Capt. E. A. Cernan, Code PA, Phone No. 713-483-3469

Public Affairs Office

Mr. B. W. James, Code AP2, Phone No. 713-483-2938



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
JOHN F. KENNEDY SPACE CENTER  
KENNEDY SPACE CENTER, FLORIDA 32899

JAN 14 1974

REPLY TO  
ATTN OF:

AA-MFP-1 (74-1-4)

MEMORANDUM

TO: Distribution

FROM: AA/Manager, Sciences, Applications, Skylab and ASTP Programs

SUBJECT: Apollo/Soyuz Test Project (ASTP) Directive No. 4, dated  
December 20, 1973, Subject: ASTP Television

OMSF Apollo/Soyuz Test Project (ASTP) Directive No. 4 has been received by this office and a copy is transmitted for your information. A copy of my Briefing Note to the Center Director, indicating KSC activities in support of this subject, is also included.

*William H. Rock*  
William H. Rock

Enclosures:

1. ASTP Program Directive No. 4
2. Briefing Note to Dr. Debus

Distribution:

Apollo-Skylab Distribution M

Dr. Debus

NOV 10 1974

*9.9.74*

Subject: Apollo/Soyuz Test Project (ASTP) Directive No. 4

This Directive entitled "ASTP Television," dated December 20, 1973 provides policy guidance and assigns responsibilities for planning and implementation of television programming and hardware for the ASTP mission.

Johnson Space Center (JSC) is assigned the responsibility for design, development, fabrication, qualification, acceptance and installation, and operation of spacecraft Television hardware. To facilitate implementation of these requirements JSC will establish a TV Planning Team. KSC team membership will be provided in the area of KSC Test and Checkout. (The KSC Launch Operations Directorate has already designated a representative to the TV Planning Team.)

Television pre-launch test and checkout at KSC is planned to be implemented as previously accomplished for Apollo and Skylab, i.e., receipt of requirements from JSC via the Test Requirements and Specifications Document (TRSD) and implementation by the KSC Test and Checkout Plan and applicable Test and Checkout procedures.

The above new Directive will be given the usual distribution to the second level directorates and those individuals having primary interest in the program.

*for* *William H. Rock*  
William H. Rock